

EXHIBIT A

IXL Math - Microsoft Internet Explorer
 File Edit View Favorites Tools Help
 Back Forward Stop Search Favorites
 Address http://www.ixl.com/

The Web's
#1 Math Practice Site

Practice makes perfect, and IXL makes math practice fun. With unlimited math questions in more than 1,000 topics, students improve their skills and confidence and always have new challenges to meet. Click a grade below to get started!

Pre-K skills Counting dots, inside and outside, and more. 	Kindergarten skills Identifying shapes, counting money, and more. 	First-grade skills Bar graphs, addition, word problems, and more. 	Second-grade skills Place-value, models, identifying fractions, and more. 
Third-grade skills Multiplication facts, adding and subtracting decimals, and more. 	Fourth-grade skills Adding mixed numbers, calculating probabilities, and more. 	Fifth-grade skills Multiplying decimals, finding percentages, and more. 	Sixth-grade skills Variable expressions, exponents, permutations, and more. 

Don't see your level? More advanced topics are on their way. [Sign up](#) to be notified when your grade is ready.

State standards

Alabama	Hawaii	Michigan	North Carolina	Utah
Alaska	Idaho	Minnesota	North Dakota	Vermont
Arizona	Illinois	Mississippi	Oahu	Virginia
Arkansas	Indiana	Missouri	Oklahoma	Washington
California	Iowa	Montana	Oregon	Wisconsin
Colorado	Kansas	Nebraska	Pennsylvania	Wyoming
Connecticut	Kentucky	Nevada	Rhode Island	
D.C.	Louisiana	New Hampshire	South Carolina	
Delaware	Maine	New Jersey	South Dakota	
Florida	Maryland	New Mexico	Tennessee	
Georgia	Massachusetts	New York	Texas	

IXL is used in 110 countries including:



...and many more!

IXL - Pre-K Math Practice - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://www.ixl.com/math/practice/pre-k-1

Remember me

Practice Reports Awards State Standards Membership

Pre-K skills

Shapes

- A.1 Identify circles, squares, and triangles
- A.2 Identify rectangles and trapezoids
- A.3 Identify cubes and pyramids

Count to 3

- C.1 Count dots (up to 3)
- C.2 Count shapes (up to 3)
- C.3 Count objects (up to 3)
- C.4 Represent numbers (up to 3)

Count to 5

- D.1 Count dots (up to 5)
- D.2 Count shapes (up to 5)
- D.3 Count objects (up to 5)
- D.4 Represent numbers (up to 5)

Count to 10

- E.1 Count dots (up to 10)
- E.2 Count shapes (up to 10)
- E.3 Count objects (up to 10)
- E.4 Represent numbers (up to 10)

Count to 20

- F.1 Count dots (up to 20)

Kindergarten skills

First-grade skills

Second-grade skills

Third-grade skills

Practice >> Pre K

Here is a list of all of the skills students learn in pre-K! The skills are organized into categories, and you can move your mouse over any skill name to see a sample question. To start practicing, just click on any link. IXL will track your score, and the questions will even increase in difficulty as you improve!

Shapes

A.1 Identify circles, squares, and triangles
A.2 Identify squares and rectangles
A.3 Identify cubes and pyramids

Comparing

F.1 Compare groups (fewer or more)
F.2 Compare in a chart (fewer or more)
F.3 Compare in a mixed group

Count to 3

B.1 Count dots (up to 3)
B.2 Count shapes (up to 3)
B.3 Count objects (up to 3)
B.4 Represent numbers (up to 3)

Count to 5

C.1 Count dots (up to 5)
C.2 Count shapes (up to 5)
C.3 Count objects (up to 5)
C.4 Represent numbers (up to 5)

Count to 10

D.1 Count dots (up to 10)
D.2 Count shapes (up to 10)
D.3 Count objects (up to 10)
D.4 Represent numbers (up to 10)

Count to 20

E.1 Count dots (up to 20)

Positions

G.1 Inside and outside
G.2 Left and right
G.3 Left, middle, and right
G.4 Above and below
G.5 Top and bottom

Classify

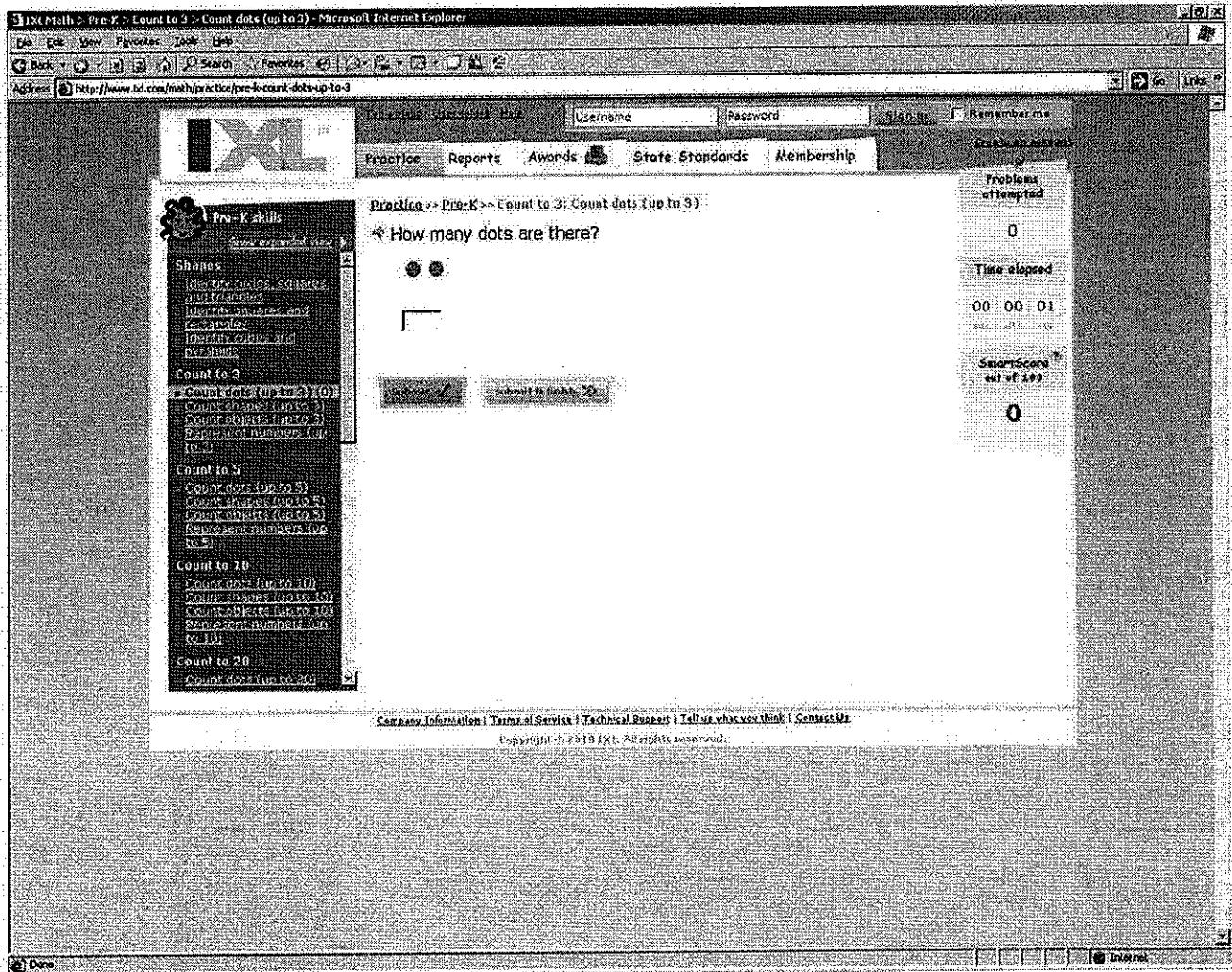
H.1 Same
H.2 Different
H.3 Same and different
H.4 Classify by color

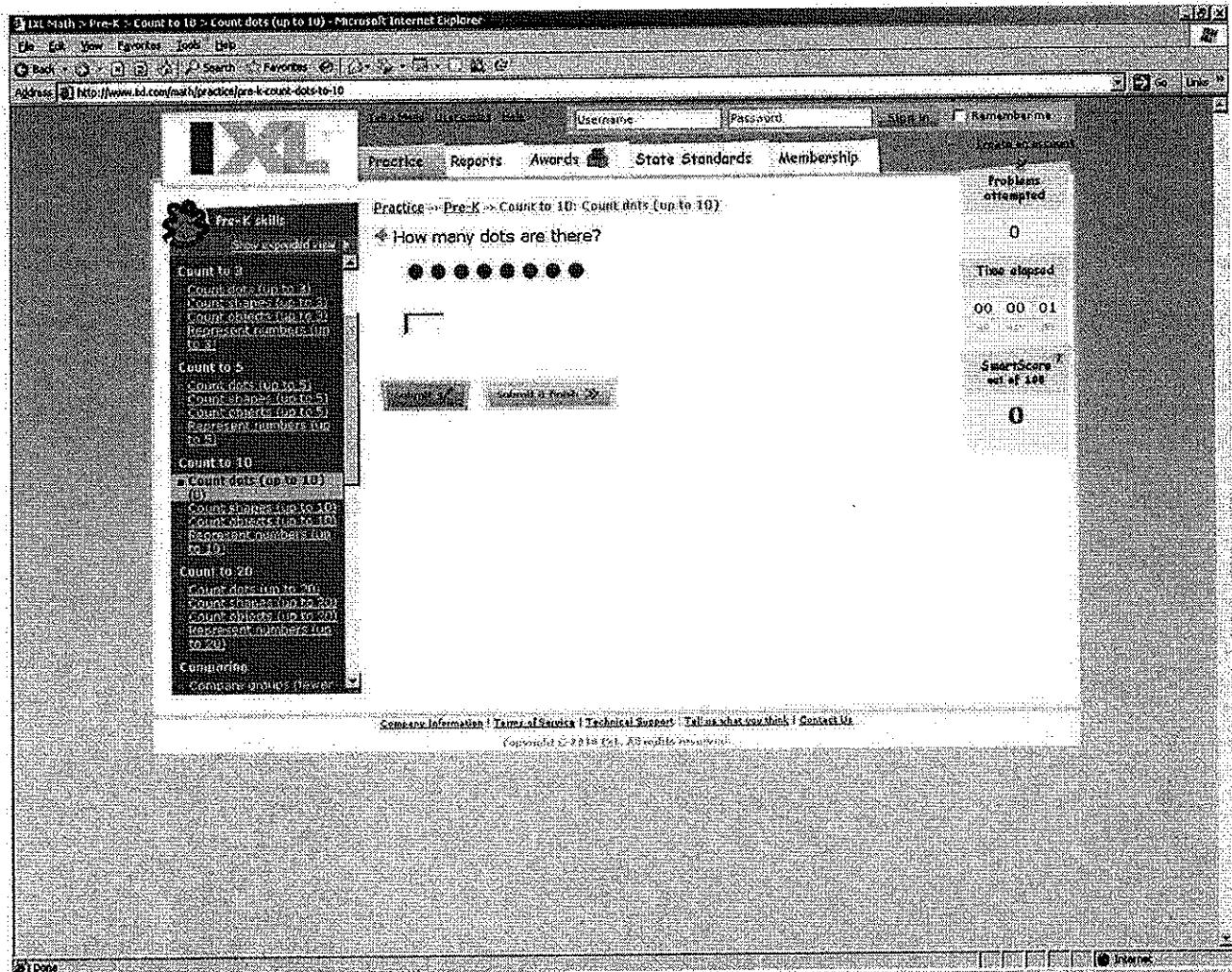
Size

I.1 Long and short
I.2 Tall and short
I.3 Light and heavy
I.4 Holds more or less
I.5 Compare height, weight, and capacity
I.6 Wide and narrow

Money

J.1 Pennies and nickels





IXL - Kindergarten Math Practice - Microsoft Internet Explorer

File Edit View Favorites Tools Help Address <http://www.ixl.com/math/grade/Kindergarten> Username Password Remember me

Practice Reports Awards State Standards Membership

Practice > Kindergarten

Here is a list of all the skills students learn in kindergarten. The skills are organized into categories, and you can move your mouse over any skill name to see a sample question. To start practicing, just click on any link. IXL will track your score, and the questions will even increase in difficulty as you improve!

Kindergarten skills

- Numbers and counting up to 3**
 - A.1 Count to 3
 - A.2 Represent numbers up to 3
 - A.3 Count by typing
- Numbers and counting up to 5**
 - B.1 Count to 5
 - B.2 Represent numbers up to 5
 - B.3 Count by typing
 - B.4 Count up
 - B.5 Count down
- Numbers and counting up to 10**
 - C.1 Count to 10
 - C.2 Represent numbers up to 10
 - C.3 Count by typing
 - C.4 Count up and down - with pictures
 - C.5 Count up and down - with numbers
 - C.6 Tally marks
 - C.7 Number lines
 - C.8 Before, after, and between
 - C.9 Count forward and backward
 - C.10 Names of numbers up to 10
 - C.11 Complete a sequence

First-grade skills

Second-grade skills

Third-grade skills

Positions

- K.1 Inside and outside
- K.2 Left, middle, and right
- K.3 Top, middle, and bottom
- K.4 Above and below
- K.5 Location in a three-by-three grid

Fractions

- L.1 Identify halves, thirds, fourths
- L.2 Equal parts

Time

- M.1 Match clocks and times
- M.2 Read clocks and write times
- M.3 Times of everyday events
- M.4 Match analog and digital clocks
- M.5 Seasons
- M.6 A.M. and P.M.

Sorting, ordering, and classifying

- N.1 Same
- N.2 Different
- N.3 Same and different
- N.4 Classify by color
- N.5 Venn diagrams
- N.6 Put numbers up to 10 in order
- N.7 Put numbers up to 30 in order

(2) Done

IXL Math > Kindergarten > Numbers and counting up to 20 > Count to 20 - Microsoft Internet Explorer

File Edit View Favorites Tools Help Back Stop Refresh Favorites Home Address http://www.ixl.com/math/practice/kindergarten-count-to-20

IXL

Practice Reports Awards State Standards Membership

Remember me

Kindergarten skills

- Count up and down with pictures
- Count up and down with numbers
- Tally marks
- Number lines
- Before, after, and between
- Count forward and backward
- Numbers of numbers up to 10
- Complete a sequence
- Numbers and counting up to 20
- Counting to 20 (A)
- Represent numbers up to 20
- Count by twos
- Count up and down
- Tally marks
- Number lines
- Before, after, and between
- Count forward and backward
- Numbers of numbers
- Count up to 20 (B)
- Count up and down
- Numbers and counting

Practices > Kindergarten > Numbers and counting up to 20: Count to 20

How many bicycles are there?

10

Time elapsed: 00:00:03

SmartScore: 0 out of 100

Done

Company Information | Terms of Service | Technical Support | Tell us what you think | Contact Us

Copyright © 2010 IXL. All rights reserved.

IXL - First Grade Math Practice - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Search Favorites

Address http://www.ixl.com/math/practice/first

IXL

Practice Reports Awards State Standards Membership

Pre-K skills Kindergarten skills First-grade skills Second-grade skills Third-grade skills

Practice > First grade

Here is a list of all of the skills students learn in first grade! The skills are organized into categories, and you can move your mouse over any skill name to see a sample question. To start practicing, just click on any link. IXL will track your score, and the questions will even increase in difficulty as you improve!

Counting and number patterns

- A.1 Counting review - 0 to 10
- A.2 Counting review - up to 20
- A.3 Counting tens and ones - up to 30
- A.4 Counting - up to 30
- A.5 Counting - up to 100
- A.6 Skip-counting - with pictures
- A.7 Counting by twos, fives, and tens - up to 100
- A.8 Counting forward and backward
- A.9 Number lines
- A.10 Hundred chart
- A.11 Identifying even and odd numbers
- A.12 Which even or odd number comes before or after?
- A.13 Skip-counting patterns - with tables
- A.14 Sequences - count up and down by 1, 2, 5, and 10
- A.15 Ordinal numbers
- A.16 Writing numbers in words
- A.17 Roman numerals I, V, X

Comparing

- G.1 Comparing - review
- G.2 Comparing numbers up to 10
- G.3 Comparing numbers up to 100
- G.4 Comparison word problems

Estimating

- H.1 Estimate to the nearest ten

Fractions

- I.1 Halves, thirds, and fourths
- I.2 Equal parts
- I.3 Simple fractions: what fraction does the shape show?
- I.4 Simple fractions: parts of a group
- I.5 Fractions - word problems
- I.6 Compare fractions
- I.7 Simple fractions: which shape matches the fraction?

Geometry

- J.1 Identify 2-dimensional shapes
- J.2 Identify 3-dimensional figures
- J.3 Geometry of everyday objects
- J.4 Relate planar and solid figures
- J.5 Count sides and vertices
- J.6 Count edges, vertices, and faces
- J.7 Compare edges, vertices, and faces
- J.8 Compare angles, vertices, and faces

Done

IXL Maths > 1st Grade > Addition > Addition with pictures - sums to 10 - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://www.ixl.com/math/practice/grade-1-addition-with-pictures-sums-to-10

Practice Reports Awards State Standards Membership

First-grade skills

- Identifying even and odd numbers
- Which even or odd number comes before or after?
- Skip counting patterns with tables
- Sequences - count up and down by 1, 2, 3, 5, and 10
- Ordinal numbers
- Roman numbers 1, V, X

Add:

1 + 2 =

Time elapsed: 00:00:01

SmartScore: 0 out of 300

Copyright © 2013 IXL. All rights reserved.

Done

IXL Math > 1st grade > Addition > Addition sentences - sums to 10 - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: http://www.ixl.com/math/first-grade/grade-1-addition-sentences-sums-to-10

IXL Math

Practice Reports Awards State Standards Membership

First-grade skills

- [Skip-counting](#)
- [Number patterns](#)
- [Which even or odd number comes before or after?](#)
- [Skip-counting patterns with tables](#)
- [Sentences - count up and down by 1, 2, 3, 5, and 10](#)
- [Ordinal numbers](#)
- [Writing numbers in words](#)
- [Roman numerals I, V, X](#)

Addition

- [Addition with pictures - sums to 10](#)
- [Addition sentences - sums to 10](#)
- [Estimation \(10\)](#)
- [Word problems - sums to 10](#)
- [Word problems - write the addition sentence](#)
- [Write to make a number](#)
- [Write to make a number - addition sentences](#)
- [Sight words](#)
- [Addition doubles](#)
- [Addition facts - sums to 10](#)
- [Addition facts - sums to 15](#)
- [Word problems - sums](#)

Practice > First grade > Addition: Addition sentences - sums to 10

Which addition sentence does this picture show?

A $1 + 1 = 2$

B $2 + 2 = 4$

C $1 + 2 = 3$

D $2 + 1 = 3$

SmartScore: 0 out of 100

Time elapsed: 00:00:02

0

Company Information | Terms of Service | Technical Support | Tell us what you think | Contact Us
Copyright © 2015 IXL Learning. All rights reserved.

1st Grade > Spatial sense > Left, middle, and right - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address http://www.123.com/math/practice/grade-1/left-middle-right

Profile Reports Awards State Standards Membership

Practices > First grade > Spatial sense: Left, middle, and right

← Look:

→ The doll is to the _____ of the eraser.

← left
 → right

Submit a Review | Submit a Solution

First-grade skills

- Draw simple shapes
- Objects
- Relate planar and solid figures
- Count sides and vertices
- Count edges, vertices, and faces
- Compare sides and vertices
- Compare edges, vertices, and faces
- Open and closed shapes
- Flat, turn, and slide
- Summarize
- Same shape

Spatial sense

- Position in a three-dimensional world
- Above, below, top, middle, and bottom
- Location in a three-dimensional world

Data and graphs

- Record data with tally charts, picture graphs, tables
- Interpret data in tally charts, picture graphs, tables
- Interpret bar graphs
- Which bar graph is

SmartScore 0 out of 100

Time elapsed 00:00:07

Problems attempted 0

Copyright © 2010 123. All rights reserved.

Company Information | Terms of Service | Technical Support | Tell us what you think | Contact Us

IXL Math > 1st Grade > Data and graphs > Interpret data in tally charts, picture graphs, tables - Microsoft Internet Explorer

Address: http://www.ixl.com/math/practice/grade-1-interpret-data-in-tally-charts-picture-graphs-tables

IXL

Practice Reports Awards Store Standards Membership

First-grade skills

- Size & position
- Open and closed shapes
- Flip, turn, and slide
- Symmetry
- Same shape
- Spatial sense
- Left, middle, and right
- Above, below, top, middle, and bottom
- Position in a three-by-three grid
- Data and graphs
- Record data with tally charts, picture graphs, tables
- Interpret data in tally charts, picture graphs, tables (A)
- Interpret bar graphs: which bar graph is correct?
- Measurement
- Read a thermometer
- Which unit of length is appropriate?
- Units of length: word problems
- Which unit of weight is appropriate?
- Estimate and convert

Practice > First grade > Data and graphs: Interpret data in tally charts, picture graphs, tables

Javier went shopping for a party and bought some gift bags and coolers. He made a tally chart of the supplies he bought:

4	3

Which item did he buy more of, gift bags or coolers?

gift bags

coolers

Submit & Finish

Problems attempted: 0
Time elapsed: 00:00:01
SmartScore: out of 100

Done

IXL Math > 1st Grade > Time > Days of the week - Microsoft Internet Explorer

Do File Favorites Help

Search Favorites

Address: http://www.ixl.com/math/practice/grade-1-days-of-the-week

IXL Math Practice Awards State Standards Membership

First-grade skills

- [Addition and subtraction](#)
- [Recognize patterns](#)
- [Describe patterns](#)
- [Probability and statistics](#)
- [More, less, and equally likely](#)
- [Certain, probable, unlikely, and impossible](#)
- [Mode and range](#)
- [Sorting, ordering, and classifying](#)
- [Venn diagrams](#)
- [Put numbers in order](#)
- [Time](#)
- [Days of the week \(Order\)](#)
- [Reading clocks](#)
- [Match analog and digital clocks](#)
- [AM or PM](#)
- [Compare < > =](#)
- [Time and word form](#)
- [Durations](#)
- [Choose the appropriate time units](#)
- [Seasons of the year](#)
- [Read a calendar](#)
- [Months of the year](#)

Practice > First grade > Time: Days of the week

Which day comes after Monday?

A Tuesday

B Friday

C Sunday

D Thursday

E Wednesday

F Saturday

Submit > Submit & finish >

Problems attempted: 0 Time elapsed: 00:00:01 SmartScore: 0 out of 100

Company Information | Terms of Service | Technical Support | Tell Us What You Think | Contact Us
Copyright © 2010 IXL. All rights reserved.

IXL Math > 1st Grade > Time > Seasons of the year - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: http://www.ixl.com/math/practice/grade-1-seasons-of-the-year

Practice Reports Awards State Standards Membership

First-grade skills

- Show a calendar
- Recognize seasons
- Describe patterns

Probability and statistics

- More, less, and equally likely
- Certain, probable, unlikely, and impossible
- Mode and range

Sorting, ordering, and classifying

- Visual patterns
- Put numbers in order

Time

- Days of the week
- Reading clocks
- Match times and times
- Time of everyday events
- Analog and digital clock
- A.M. or P.M.
- Compare times
- Time and date (A.D.)
- Problems
- Elapsed time (problems)
- Time units
- SEASONS OF THE YEAR
- Seasons calendar
- Month of the year

Practice > First grade > Time: Seasons of the year

What season comes just before fall?

A spring

B summer

C winter

Submitted 2010-05-03 00:00:02

SmartScore 0 of 100

0

Company Information | Terms of Service | Technical Support | Tell us what you think | Contact Us

Copyright © 2010 IXL Learning, Inc. All rights reserved.

IXL Math > 1st grade > Probability and statistics > Certain, probable, unlikely, and impossible - Microsoft Internet Explorer

File Edit View Favorites Help

Address http://www.ixl.com/math/practice/grade-1-certain-probable-unlikely-impossible

IXL Math

Practice Reports Awards State Standards Membership

First-grade skills

- Counting coins I
- Counting coins II
- Money word problems
- Compare money amounts
- Least number of coins
- Purchases: Do you have enough money?

Patterns

- Recognize patterns
- Describe patterns

Probability and statistics

- More, less, and equal
- More likely, less likely
- Certain, probable, unlikely, and impossible
- Mode and range

Sorting, ordering, and classifying

- Sort objects
- Put numbers in order

Time

- Days of the week
- Reading time
- Matching clock and times
- Times of everyday events

Practice > First grade > Probability and statistics: Certain, probable, unlikely, and impossible

→ If you select a marble without looking, how likely is it that you will pick a orange one?

certain
 probable
 unlikely
 impossible

Submit & Next 20

Problems attempted 0

Time elapsed 00:00:11

SmartScore 0 out of 100

Copyright © 2010 IXL Ltd. All Rights Reserved.